

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

International Application No. 10/535	632
International Filing Date	

	Applicant's or agent's (if desired) (12 characte	file reference ers maximum) PD53543PC
Box No. I TITLE OF INVENTION OSCILLATOR FREQUENCY CONTROL		
Box No. II APPLICANT This person	n is also inventor	
Name and address: (Family name followed by given name; for a legal ent The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	he address indicated in this	Telephone No.
SONY ERICSSON MOBILE COMMUNICAT SE-221 88 LUND	IONS AB	Facsimile No.
Sweden		Teleprinter No.
		Applicant's registration No. with the Office
State (that is, country) of nationality: Sweden	State (that is, country) Sweden	of residence:
This person is applicant for the purposes of: all designated States all designated the United St		the United States the States indicated in the Supplemental Box
Box No. III FURTHER APPLICANT(S) AND/OR (FURT	HER) INVENTOR(S)	-
Name and address: (Family name followed by given name; for a legal enti- The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence LINDELL, Bo Mjölnarstigen 4 SE-181 46 LIDINGÖ Sweden	he address indicated in this re is indicated below.)	This person is: applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality: Sweden	State (that is, country) Sweden	of residence:
This person is applicant all designated all designated for the purposes of:		the United States the States indicated in the Supplemental Box
Further applicants and/or (further) inventors are indicated of	n a continuation sheet.	
Box No. IV AGENT OR COMMON REPRESENTATIVE	; OR ADDRESS FOR	CORRESPONDENCE
The person identified below is hereby/has been appointed to act of the applicant(s) before the competent International Authorities	on behalf as:	agent common representative
Name and address: (Family name followed by given name; for a legal enti The address must include postal code and name of co	ty, full official designation. ountry.)	Telephone No. +46 8 545 493 00
DAHNÉR, Christer Ström & Gulliksson IP AB		Facsimile No. +46 8 545 493 49
P.O. Box 7086 SE-103 87 STOCKHOLM		Teleprinter No.
Sweden		Agent's registration No. with the Office
Address for correspondence: Mark this check-box where space above is used instead to indicate a special address to	no agent or common rep which correspondence s	resentative is/has been appointed and the hould be sent.

Sheet	Nο	2
Sheet	Nο	2

Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S)			
If none of the following sub-boxes is used, this sheet should not be included in the request.			
Name and address: (Family name followed by given name: for a legal entity the address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence if the State of	address indicated in this is indicated below.) applicant onl applicant and inventor only is marked, do Applicant's registration State (that is, country) of residence:	l inventor (If this check-box not fill in below.)	
Sweden This person is applicant all designated all designated all designated	States except es of America only	the States indicated in	
Name and address: (Family name followed by given name; for a legal entire. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	full official designation. address indicated in this is indicated below.) This person is: applicant onl applicant and inventor only	inventor (If this check-box not fill in below.)	
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant all designated for the purposes of:	States except the United States es of America of America only	the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name; for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	address indicated in this is indicated below.) applicant and inventor only	inventor (If this check-box not fill in below.)	
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant all designated for the purposes of:	States except the United States of America only	the States indicated in the Supplemental Box	
Name and address: (Family name followed by given name: for a legal entity The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence	address indicated in this is indicated below.) applicant only applicant and inventor only	inventor (If this check-box not fill in below.)	
State (that is, country) of nationality:	State (that is, country) of residence:		
This person is applicant all designated all designated for the purposes of:		the States indicated in the Supplemental Box	
Further applicants and/or (further) inventors are indicated on another continuation sheet.			



DESIGNATION OF STATES Mark the applicable check-boxes below; at least one must be marked. The following designations are hereby made under Rule 4.9(a): Regional Patent AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, MZ Mozambique, SD Sudan, SL Sierra Leone, SZ Swaziland, TZ United Republic of Tanzania, UG Uganda, ZM Zambia, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT (if other kind of protection or treatment desired, Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT European Patent: AT Austria, BE Belgium, BG Bulgaria, CH & LI Switzerland and Liechtenstein, CY Cyprus, CZ Czech Republic, DE Germany, DK Denmark, EE Estonia, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, HU Hungary, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, RO Romania, SE Sweden, SI Slovenia, SK Slovakia, TR Turkey, and any other State which is a Contracting State of the European Patent Convention OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, GQ Equatorial Guinea, GW Guinea-Bissau, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind National Patent (if other kind of protection or treatment desired, specify on dotted line): AG Antigua and Barbuda

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AL Albania

ID Indonesia

HU Hungary

PG Papua New Guinea

PH Philippines

AM Armenia

IL Israel

PL Poland RO Romania BA Bosnia and Herzegovina KE Kenya KG Kyrgyzstan SC Seychelles ■ BB Barbados ■ KG Kyrgyzstan ■ KP Democratic People's Republic SD Sudan ■ BR Brazil..... CA Canada LC Saint Lucia SL Sierra Leone CH & LI Switzerland and Liechtenstein LK Sri Lanka SY Syrian Arab Republic TJ Tajikistan.... CR Costa Rica LT Lithuania TN Tunisia CU Cuba LU Luxembourg TR Turkey..... CZ Czech Republic LV Latvia TT Trinidad and Tobago M Dominica **X** UA Ukraine EE Estonia.... Macedonia FI Finland X WC Saint Vincent and the Grenadines GB United Kingdom GD Grenada ZA South Africa..... **ZM** Zambia M Gambia Check-boxes below reserved for designating States which have become party to the PCT after issuance of this sheet: Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that those additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation (including fees) must reach the receiving Office within the 15-month time limit.)

Sheet	Nο	4

Box No. VI PRIORITY	CLAIM			
The priority of the following	g earlier application(s) is here	eby claimed:		
Filing date	Number of earlier application	Where earlier application is:		
of earlier application (day/month/year)	(day/month/year) Country or Member regional application: regional Office			international application: receiving Office
item (1) (21.11.2002) 21 November 2002	02025986.7		EP :	
item (2) (26.11.2002) 26 November 2002	60/429,141	US		
item (3)			!	
item (4)				
item (5)				
Further priority claims	are indicated in the Suppleme	ental Box.		<u> </u>
The receiving Office is reque if the earlier application was a above as:	ested to prepare and transmit t filed with the Office which for	to the International Bureau the purposes of this interna	a certified copy of the e ational application is the	earlier application(s) (only receiving Office) identified
all items item ((1) item (2)	item (3) item ((4) item (5)	other, see Supplemental Box
* Where the earlier application Industrial Property or one M	on is an ARIPO application, in Tember of the World Trade Or	ndicate at least one country rganization for which that e	party to the Paris Conve earlier application was fil	ontion for the Protection of
			•••••••	
Box No. VII INTERNAT	TIONAL SEARCHING AUT	ГНОПІТУ		
Choice of International Sea international search, indicate ISA / EP	arching Authority (ISA) (if the the Authority chosen; the two-	wo or more International Serietter code may be used):	earching Authorities are (competent to carry out the
Request to use results of ea	arlier search; reference to th	that search (if an earlier se	and has been carried or	· L
International Searching Author Date (day/month/year)	ority):			t by or requestea from me
Date (aay/monaryear)	Numb	er Count	atry (or regional Office)	
Box No. VIII DECLARAT	TIONS			
The following declarations a check-boxes below and indica	are contained in Boxes Nos. \ate in the right column the num	VIII (i) to (v) (mark the ap nber of each type of declarc	oplicable ation):	Number of declarations
Box No. VIII (i)	Declaration as to the identity	ry of the inventor		:
Box No. VIII (ii)	Declaration as to the applic date, to apply for and be gre	cant's entitlement, as at the ranted a patent	; international filing	:
Box No. VIII (iii)	Declaration as to the applic date, to claim the priority of	icant's entitlement, as at the of the earlier application	e international filing	:
Box No. VIII (iv)	Declaration of inventorship United States of America)) (only for the purposes of	the designation of the	. 1
Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:				

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)
The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v)
(in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:

for the purposes of the designation of the United States of America:
I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.
This declaration is directed to the international application of which it forms a part (if filing declaration with application).
This declaration is directed to international application No. PCT/
I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.
I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.
Prior Applications: . EP.02025986.7. US 60/429,141
I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.
Name: LINDELL, Bo
Residence: Lidingö (city and either US state, if applicable, or country)
Mailing Address: Mjölnarstigen 4
SE-181 46 LIDINGÖ
Citizenship: Sweden
if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: 74/10/2003 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
Name: KRISTIANSSON, Robert
Residence: Järfälla Sollen Luna city and either US state, if applicable, or country)
Mailing Address: - Engelbrektsvägen 10B – Annerovagen 16
-SE-17751 JÄRFÄLLA SE-19275 Sollentuna
Citizenship: Sweden
nventor's Signature: Robelt Knshansson if not contained in the request, or if declaration is corrected or dded under Rule 26ter after the filing of the international pplication. The signature must be that of the inventor, not that of ne agent) Date: /// 2003 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)
·
This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".

Sheet	No		6

Box No. IX CHECK LIST; LANGUAGE OF FILING				
This international application contains: (a) in paper form, the following number of sheets:	item(s)	ternational application is accompanied by the following (mark the applicable check-boxes below and indicate in column the number of each item):	Number of items	
request (including	· 1. 🔀	fee calculation sheet	: 1	
declaration sheets) :	6 2. 🗷	original separate power of attorney	: 1	
description (excluding sequence listings and/or	3. 🗆	original general power of attorney	:	
tables related thereto) : 1	0 4. 🔀			
claims :	з	if any:	: 1	
abstract :	1 5. 🔲	18	:	
·	3 6. X	priority document(s) identified in Box No. VI as item(s): 2	: 1	
Sub-total number of sheets: 2 sequence listings:	3 7. 🗆	translation of international application into (language):		
tables related thereto :	8. 🗆	separate indications concerning deposited microorganism	•	
(for both, actual number of sheets if filed in paper form, whether or not also filed in	9. 🗆	or other biological material sequence listings in computer readable form	:	
computer readable form; see (c) below)	_ (i)	(indicate type and number of carriers) Copy submitted for the purposes of international search under		
Total number of sheets : 2	2	Rule 13 ter only (and not as part of the international application):	
(b) only in computer readable form (Section 801(a)(i))		(only where check-box (b)(i) or (c)(i) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Rule 13ter	:	
(i) sequence listings		together with relevant statement as to the identity of the copy of copies with the sequence listings mentioned in left column	r .	
(ii) ☐ tables related thereto (c) ☐ also in computer readable form	10.		•	
(Section 801(a)(ii)) (i) ☐ sequence listings (ii) ☐ tables related thereto	(i)	copy submitted for the purposes of international search under Section 802(b-quater) only (and not as part of the international		
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which are	(ii)	application) (only where check-box (b)(ii) or (c)(ii) is marked in left column) additional copies including, where applicable, the copy for the purposes of international search under Section 802(b-quater)	:	
contained the	Gii	purposes of international search under Section 802(b-quater) I together with relevant statement as to the identity of the copy of	:	
tables related thereto:	1 , ,	copies with the tables mentioned in left column	:	
(additional copies to be indicated under items 9(ii) and/or 10(ii), in right column)	11.	other (specify):	:	
Figure of the drawings which should accompany the abstract: 3 Language of filing of the international application: English				
Box No. X SIGNATURE OF APPLICA Next to each signature, indicate the name of the person	NT, AGEN signing and the	T OR COMMON REPRESENTATIVE c capacity in which the person signs (if such capacity is not obvious from reading ti	he request).	
Christer Dahnér Ström & Gulliksson IP AB				
	For r	eceiving Office use only		
Date of actual receipt of the purported international application:		2. Drawii	ngs:	
Corrected date of actual receipt due to late timely received papers or drawings compute the purported international application:	er but eting	recei	ved:	
4. Date of timely receipt of the required corrections under PCT Article 11(2):		not re	eceived:	
5. International Searching Authority (if two or more are competent): ISA /		6. Transmittal of search copy delayed until search fee is paid		
	For Inter	mational Bureau use only		
Date of receipt of the record copy by the International Bureau:				